



PETRONAS

PRODUCT DATA SHEET

Ethonas FAE-5

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Alkyl alcohol (C12-C14) Ethoxylate
 CAS number : 68439-50-9
 Type : Nonionic surfactant

Ethonas FAE-5 are based on primary linear alkyl alcohol (C12-C14) with 5 moles of ethylene oxide adducts.

APPLICATIONS:

- Homecare and I&I cleaner
- Emulsifying agent
- Chemical intermediates
- Textile auxiliaries
- Metal working fluid

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Average moles of EO	-	5
Hydroxyl number	mg/g	130-138
pH (1% in 10/16 IPA/water)	-	6.0-7.5
Water	wt%, max	0.1
Colour	PtCo, max	20
Cloud point, 1% aq	°C	N/A (Insoluble in water)
Critical Micelle Concentration, 1% aq	ppm	N/A (Insoluble in water)
HLB (nominal)	-	11
Pour point	°C	11
Surface tension (0.1% @ 25°C)	mN/m	N/A (Insoluble in water)
Free EO	ppm, max	1.0
1,4-Dioxane	ppm, max	10.0
PEG content	ppm, max	1.0

*These properties are typical but do not constitute specifications.

FOR MORE INFORMATION

Please contact **PETRONAS Chemicals Group Berhad (PCGB)**

Level 33, Tower 1, PETRONAS Twin Towers, Kuala Lumpur City Centre, 50088, KUALA LUMPUR, MALAYSIA.

Tel: +(603) 20515000 or visit our site <https://www.petronas.com/pcg/>

Sales contact person; Tel: +(603) 2392 6698, Email: hazlina.ralim@petronas.com



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(DERIVATIVES/PLANT)

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